



THE  
Urban District Council of Stretford.

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ANNUAL REPORTS  
FOR 1920  
OF THE  
MEDICAL OFFICER OF HEALTH  
AND  
INSPECTOR OF NUISANCES.

*(Approved by Health Committee, 18th October, 1921).*







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# Stretford Urban District Council.

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## HEALTH COMMITTEE.

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COUNCILLOR J. WILLIAMS, J.P., Chairman.  
 „ J. W. DORRAN, Deputy-Chairman.  
 „ J. E. ALDHOUSE.  
 „ F. W. BATES, J.P.  
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 „ A. SMITH, C.C.  
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 „ W. WARDLE.  
 GEO. H. ABRAHAM, Solicitor, Clerk of the Council.

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WILLIAM JOHN HESLOP, F.R.C.S. (Ed.), Medical Officer  
 of Health.

SAMUEL MASSEY, A.R.S.I., Cert. M.I., Chief Sanitary  
 Inspector.

MRS. S. RIDGWAY, C.M.B., Health Visitor.

STATISTICAL SUMMARY FOR THE YEAR  
1920.

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Area (Statute Acres) ... ..	3239½
Rateable Value ... ..	£357,239
Population (estimated) ... ..	47,419
Population (census, 1911) ... ..	42,496
Birth Rate—per thousand population ... ..	18.2
Death Rate—per thousand population ... ..	10.3
Standardised Death Rate, per thousand population	11.4
Persons per acre ... ..	14.6
Infantile Death Rate—per thousand births registered ... ..	55.4
Zymotic Death Rate—per thousand population ...	0.37
Respiratory Death Rate (other than Tuberculosis) —per thousand population ... ..	1.37
Influenza Death Rate ... ..	0.29
Phthisis Death Rate—per thousand population ...	0.88
Other Tuberculous Diseases ; Death Rate—per thousand population ... ..	0.12
Cancer Death Rate—per thousand population ...	1.14
Infectious Disease Sickness Rate—per thousand population ... ..	6.8

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ANNUAL REPORT  
OF THE  
Medical Officer of Health  
FOR 1920.

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To the Chairman and Members of the Health  
Committee of the Stretford Urban District  
Council.

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GENTLEMEN,

I have the honour to submit to you my Thirty-fourth Annual Report on the health and sanitary condition of the district for the year ended December 31st, 1920.

I have arranged the report in accordance with the recent memorandum of the Ministry of Health, and for the first time have given the physical features and general character of the district, and have briefly touched upon the chief occupations of the district.

The report is divided into the following :—

- I.—The Urban District.
- II.—Sanitary Circumstances of the District.
- III.—Prevalence and Control over Acute Infectious Diseases.
- IV.—Prevalence and Control over Tuberculosis.
- V.—Maternity and Child Welfare.
- VI.—Vital Statistics of the District.



Appended also are Statistics on Housing Conditions, supplied at the request of the Ministry of Health. A table respecting the Inspections and Defects found to exist in Factories, supplied at the request of the Home Office. Also Table C, a copy of which is supplied to the County Council.

It is with much regret that I have to record the death of Mr. Nuttall, your late Chief Sanitary Inspector, which occurred in November.

Yours faithfully,

W. J. HESLOP,

*Medical Officer of Health.*

### **I.—THE URBAN DISTRICT.**

Stretford is a suburb of Manchester, with which it is connected by tramways and railways. The district is somewhat flat, but has a slight fall from 113 feet above ordnance datum in the east to an average of 80 feet in the west of the district. The Bridgewater Canal traverses the district. There is no congestion of houses except in Clifford Ward and to a lesser extent in the Cornbrook Ward.

The subsoil consists of sand and gravel resting on sandstone rock.

### **POPULATION.**

The census population of April, 1911, was 42,496 ; this gave an average number of persons per occupied house of 4.55. On this basis the estimated population at June 30th, 1920, would have been 46,628.

For statistical purposes the Registrar-General has estimated the population for the year 1920 as 47,419.

This population has been divided into the various Wards (see Table II) and the figures have been used in the calculation of the various statistics.

There is reason to believe that, due to the shortage of houses, there is much overcrowding in parts of the district, and the practice of sub-letting portions of houses or of letting houses to more than one family has increased in recent years.



## PRINCIPAL INDUSTRIES, OCCUPATIONS, ETC.

The engineering and electrical trades provide the principal industries of the district ; a large portion of the occupied males are engaged in commercial occupations ; the proportion of factory labourers and general labourers is small. The proportion of married women engaged in occupations is low.

## II.—SANITARY CIRCUMSTANCES OF THE DISTRICT.

### WATER SUPPLY.

The water (other than that obtained from two private wells) used for domestic purposes is taken from the Manchester Corporation's mains, and is of good quality. It is laid on to all the houses.

### OPEN SPACES.

The district is well supplied with open spaces. I set out below the names of the Parks, their acreage, and Ward situation :—

			Acres	Rds.	Pls.		
Hullard Park	...	...	11	1	10	...	Trafford Ward.
Victoria Park	...	...	19	1	10	...	Stretford Ward.
Gorse Hill Park	...	...	12	1	9	...	Talbot Ward.
Seymour Park	...	...	15	0	9	...	Trafford Ward.
Longford Park	...	...	63	0	0	...	Longford Ward.
Trafford Park Bowling							
Green...	...	...	0	2	37	...	Park Ward.

In addition to the portions allotted as playing fields, Hullard, Victoria and Gorse Hill Parks are well provided with facilities for recreation in the way of bowls, tennis and croquet.

Band stands are provided, and the provision of music during the summer months is much appreciated.

### RIVERS AND STREAMS.

The River Mersey forms the southern boundary of the district, and separates it from the districts of Ashton-upon-Mersey and Sale, within the County of Cheshire.

Complaints of any nuisance arising from the streams and waterways of the district have had prompt attention.

## SEWERAGE AND SEWAGE DISPOSAL AND DRAINAGE.

The inhabited area of the district is sewered throughout. The sewers are fairly modern. The sewage of about one-half of the district is taken into the Manchester Corporation sewerage system ; that of the other half of the district (the southern portion) is disposed of by irrigation on the Sewage Farm in the south of the district.

The Sewage Farm, which was opened in 1885, has an area of 119 acres, of which 54 are under broad irrigation, being under-drained to a depth of 4 feet to  $5\frac{1}{2}$  feet. The soil is a sandy loam. The sewage is lifted by two “Invincible” centrifugal pumps, which are capable of lifting 6,720,000 gallons in the 24 hours. The effluent is taken into the Kickety or Ousel Brook, which is a tributary of the Mersey ; it is periodically analysed, with usually satisfactory results, by the analyst of the Mersey and Irwell Joint Committee of the County Council. During the past year it has been twice examined with the following results :—

June 17th.—0.67 grains per gallon of oxygen absorbed in a four hours’ test.

November 17th.—0.56 grains per gallon of oxygen absorbed in a four hours’ test.

House drainage is generally satisfactory.

### CLOSET ACCOMMODATION.

### SCAVENGING.

The subjects are fully dealt with in the report of the Inspector of Nuisances.

### FOOD.

(a) MILK SUPPLY.—Twenty-three samples of milk were submitted to the County Analyst for analysis ; in only one instance was a sample certified to be poor or below the standard.

(b) MEAT.—The meat supply comes chiefly from the neighbouring town of Manchester.

As requested by the Ministry of Health I give the following tabular statement respecting slaughter-houses :—

	In 1914.	In January, 1920.	In December, 1920.
Registered ... ..	—	—	—
Licensed ... ..	6	5	5

A public abattoir has not been provided. The private slaughter-houses are periodically visited by two inspectors.

(c) OTHER FOODS.—The Inspector in his report also deals with the inspections to ascertain the sanitary condition of premises where foods are prepared, stored and exposed for sale. His report also deals with food inspection and the number of articles of food submitted to the County Analyst for analysis.

(d) No report of food poisoning was received during the year.

### HOUSING.

A summary of the work done under the Housing Acts is given in Table C, supplied by request to the County Council, a copy of which is appended to this report.

The census of occupied and unoccupied houses taken by your Sanitary Staff at the close of the year shows an increase of 167 in the number of houses. Of this number 127 were erected by the Council and 40 by private enterprise.

The following statement shows the total number of houses, the number of occupied houses, and the number of unoccupied houses in the year 1920 compared to those of the year 1914 and of the Government Census taken in April, 1911 :—

	Total No. of Houses.	Houses Occupied.	Houses Unoccupied.
1920 .....	10408	10374	34
1914 .....	10150	9974	176
1911 .....	9934	9290	644

About two-thirds of the house property in the district is modern and of satisfactory type. There are no back-to-back houses and no wholly unpaved backyards ; in some



cases a small portion of the yard is left which may be laid out as a garden. The back streets or passages between the rows of houses are almost all paved and are kept in good repair.

The building bye-laws require damp-proof courses for walls of dwellings, and concreting over the site of the house. Open space in the rear of dwellings is now required to the extent of 300 square feet.

### WORKSHOPS, WORKPLACES, ETC.

Appended is the copy of a statement on the administration of the Factory and Workshop Acts, which is supplied to the Home Office at their request.

## III.—PREVALENCE AND CONTROL OVER ACUTE INFECTIOUS DISEASES.

### SCARLET FEVER.

By reference to Table II it will be seen that during the past year 241 cases of Scarlet Fever have been notified. The Ward distribution is also shown in the table, from which it will be seen that the disease was most prevalent in the Park Ward.

122 of the cases were removed to the Isolation Hospital. There was one fatal case—this occurred in the hospital.

194 of the cases occurred in persons under 15 years of age,

The number of cases notified is the greatest since 1914. when 333 cases were notified.

### DIPHTHERIA.

37 cases of Diphtheria were notified during the year. Table II shows the Ward distribution, also that 14 of the cases were removed to the Isolation Hospital.

The disease was responsible for four deaths during the year, two of which occurred at home and two in hospital.

31 of the patients were under 15 years of age.

Although the number of cases notified is in excess of the preceding year, it is about on the average for recent years.

## MEASLES.

This disease ceased to be notifiable at the end of the year 1919. I have therefore no reliable information as to the prevalence of the disease.

Table III shows that there were six deaths during the year, viz., two in the Trafford Ward, one in Clifford Ward, and three in Park Ward.

## ERYSIPELAS.

16 cases of Erysipelas have been notified during the year. Three of the cases were removed to hospital. There was one death in hospital.

## PUERPERAL FEVER.

Three cases of Puerperal Fever were notified. Two of the cases were removed to hospital; the third one, from the Park Ward, proved fatal at home.

## EPIDEMIC INFLUENZA.

Influenza was responsible for 14 deaths, compared to 64 in the preceding year and 102 in the year 1918.

The death rate from this cause for the year was 0.29.

## WHOOPIING COUGH.

This is not a notifiable disease and I have no information as to its incidence during the year. There were two deaths of children, under one year of age, due to the disease.

## OPHTHALMIA NEONATORUM.

There were 15 cases of Ophthalmia Neonatorum notified during the year, compared to three during the year 1919 and 14 in the year 1918.

## CHICKEN-POX.

This disease has been again made notifiable throughout the year, and 62 cases have been notified.

61 of the cases occurred in persons under 15 years of age, 48 of the patients being between the ages of 5 and 15 years.

215 cases were notified during 1919 and 80 during 1918.

### CEREBRO-SPINAL MENINGITIS.

I received one notification of this disease. The patient, a female of three weeks, having died before receipt of the notification, and the parents removing outside the district before a visit could be made, I was unable to make the necessary enquiries or to obtain material from the parents, who were apparently the only contacts, for bacteriological examination. I obtained the address of the parents and communicated with the Local Authority within whose district it was situate.

### ACUTE POLIOMYELITIS.

No cases of this disease have been notified during the year.

### ENCEPHALITIS LETHARGICA.

One case of this disease was notified. The patient was a boy of 12 years of age and was treated in hospital. He was discharged after treatment, but suffers from severe headaches, periods of depression, and occasional twitching of facial muscles. There is no paralysis, but the general health is not good, and the boy, who previously was very bright, is now distinctly dull.

### POLIO-ENCEPHALITIS.

No notifications of this disease were received.

### ENTERIC FEVER.

Six cases of Enteric or Typhoid Fever occurred during the year. Two of the cases were removed to hospital. Five cases occurred during the year 1919.

There were two deaths from this disease during the year, one occurring at home and one in hospital.

In only one case was there a suspicion that the illness may have been caused by eating shell-fish.



## BACTERIOLOGICAL EXAMINATIONS.

Facilities for the examination of specimens of sputum, diphtheria swabs, and blood from typhoid patients are available for all medical practitioners in the district without charge.

Below is a statement kindly supplied by Professor Delepine showing the number of bacteriological examinations made during the year at the Public Health Laboratory, York Place, Manchester, of specimens sent from this district.

MONTH.	DIPHThERIA		TYPHOID FEVER.		HUMAN TU- BERCULOSIS		BOVINE TU- BERCULOSIS		MALARIA
					SPUTUM.		MILK.		
	T'TL.	+	T'TL.	+	T'TL.	+	T'TL.	+	
January ...	—	—	3	2	9	5	—	—	—
February ...	3	1	—	—	9	3	—	—	—
March ...	1	—	1	—	9	1	—	—	—
April ...	2	—	—	—	7	3	—	—	—
May ...	2	1	1	—	14	7	—	—	—
June ...	3	1	—	—	4	1	—	—	—
July ...	2	—	1	1	9	2	—	—	1
August ...	3	2	—	—	7	2	—	—	—
September	5	2	1	—	4	1	—	—	—
October ...	6	—	—	—	15	3	—	—	—
November...	12	3	1	1	8	1	—	—	—
December	10	2	—	—	3	—	—	—	—
Total ...	49	12	8	4	98	29	—	—	1

## ANTITOXIN.

A supply of Anti-Diphtheria Serum is kept at the Council Offices and at the Police Stations, and is supplied free of charge to the medical practitioners of the district.

#### IV.—PREVALENCE OF AND CONTROL OVER TUBERCULOSIS.

During the year 180 notifications under the Public Health (Tuberculosis) Regulations, 1912, were received. These refer to 96 new cases—70 pulmonary and 26 non-pulmonary.

The excess of notifications over the number of new cases is accounted for by cases being treated by private medical practitioners and later in hospitals, and *vice versa*.

Each case notified is visited (and many of them re-visited) and enquired into by your Sanitary Staff, who collect information which is recorded for statistical purposes. If necessary, advice is given as to dealing with the sputum, the destruction of infected articles, the necessity of cleanly habits, and the advisability of adequate ventilation and outdoor exercise. Note is made of the environment of the premises where the patient resides, and if deemed desirable the sanitary arrangements are examined and tested, and where found defective steps are taken to have the same made good or reconstructed.

We have ceased supplying sputum bottles and boxes, as these are now supplied at the Tuberculosis Dispensary.

On the removal of a patient to a sanatorium or hospital, or on the death of a patient, a member of the Sanitary Staff visits the house and arranges for the disinfection of the rooms and bedding.

The number of rooms disinfected is shown in the Inspector's report.

There were 43 deaths due to Pulmonary Tuberculosis, and six deaths due to other tuberculous diseases ; these give death rates of 0.88 and 0.12 per thousand of population respectively.

The following tables show the localisation of the disease of the new cases notified, the age groups, and the occupations.

TABLE 5.  
NUMBER OF CASES NOTIFIED UNDER THE PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Quarter Ending	PULMONARY.				Non-PULMONARY.																												
	Lungs	Lungs and Larynx	Laryngitis	Total	Alimen- tary.		Glands.				Genito-Urinary.				Joints and Bones.																		
					Enteritis (primary)	Peritonitis (Abdominal Tuberculosis)	Tabes Mesenteric Glands	Axillary	Cervical	Inguinal	Not classified. 2 or more groups.	Bladder	Fallopian Tube	Kidney	Testicle	Not classified. 2 or more.	Head	Trunk		Arm			Leg			Two or more different Joints	Not classified						
																		Ribs & Sternum	Spine	Shoulder	Elbow	Hand and Wrist	Hip and Pelvis	Knee	Foot and Ankle								
March 31st	16	1	-	17	-	-	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
June 30th	19	1	-	20	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Sept. 30th	21	-	-	21	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Dec. 31st	12	-	-	12	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Total	68	2	-	70	-	1	1	-	-	13	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26



TABLE 6.

PULMONARY CASES NOTIFIED UNDER THE PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS.

	MALES.												FEMALES.												Total.	WARDS.							
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 & up	Total.	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 & up	Total.		Males and Females.	Stretford.	Longford.	Talbot.	Trafford.	Cornbr'k.	Clifford.	Park.
Quarter Ending																																	
March 31st	1	1				5	1	3	1			12				1	1	2	2	1			5	17	1	1	1	2	4	3	1	5	
June 30th					3	1	1	1				6				2	2	4	2	2			14	20	1	2	4	5	3	5			
Sept. 30th				2	2	3	2	3				12			1		3	1	3	1			9	21	3	1	3	7	2	4	1		
Dec. 31st			1	1	2	2	2					8						1	1	2	1		4	12	1		4	1		4	2		
Total .....	1	2	3	7	11	6	7	1				38			1	1	2	6	8	8	4	2		32	70	6	4	13	17	8	14	8	



TABLE 8.  
TUBERCULOSIS REGULATIONS, 1912.

The following Table gives the occupation of the cases notified and the sex distribution for both pulmonary and non-pulmonary cases.

Occupation.	Pulmonary.		Non-Pulmonary.		Total.
	Males.	Females.	Males.	Females.	
Carpenter ...	1	...	1	...	2
Metal Miller ...	1	...	...	...	1
Labourer... ..	3	...	1	...	4
Scholar ... ..	2	2	6	6	16
Cable Maker ...	1	...	...	...	1
Yarn Buyer ...	1	...	...	...	1
Furniture Remover ...	1	...	...	...	1
Dressmaker ...	...	1	...	...	1
Housewife ...	...	14	...	...	14
Warehouseman	2	...	...	...	2
Warehouse- woman ...	...	1	...	...	1
Saleswoman ...	...	2	...	...	2
Typist ... ..	...	1	...	...	1
Clerk ... ..	9	2	2	...	13
Fitter ... ..	...	...	1	...	1
Machinist ...	...	1	1	...	2
Musician ...	...	1	...	...	1
Cinema Attendant ...	...	1	...	...	1
Sailor ... ..	2	...	...	...	2
French Polisher	1	...	...	...	1
Domestic Servant ...	...	2	...	1	3
Patter ... ..	1	...	...	...	1
Packer ... ..	...	1	...	1	2
Waitress ... ..	...	1	...	...	1
Draughtsman...	1	...	...	...	1
Brushmaker ...	...	...	1	...	1
Printer ... ..	2	...	...	...	2
Tailor ... ..	1	...	...	...	1
Mica Builder ...	...	...	...	1	1
Brass Dresser	1	...	...	...	1
Shop Assistant	...	...	...	1	1
Miscellaneous...	6	1	...	1	8
No occupation	2	1	1	1	5
	38	32	14	12	96
	70		26		



## V.—MATERNITY AND CHILD WELFARE.

### NOTIFICATION OF BIRTHS ACT, 1907.

Below is a brief summary of notifications received under the above Act, and of the visits made by the Health Visitor during the year :—

No. of births notified—

Within the time specified by the Act ...	787
Later than required by the Act ... ..	34—821
No. of still-births notified ... ..	19
Total number of notifications received ... ..	840

No. of births not notified and information of which was obtained from the Registrar's returns... .. 20

Births notified by Midwives (Number) ... ..	538
„ „ Parents „ ... ..	162
„ „ Doctors „ ... ..	140—840

The following visits were paid by the Health Visitor during the year :—

Primary visits ... ..	793
Subsequent visits ... ..	890
No answer to call ... ..	67
Total visits during the year ... ..	1750
Visits to expectant mothers ... ..	141
Visits to investigate causes of death of children under one year of age ... ..	37
Attendances of babies at baby clinic ... ..	7737

## BIRTHS.

During the year 862 births were registered in the district, In addition to these four births have occurred outside the district and which have been transferred to this district.

417 of the births were of males and 449 of females.

## WARDS.

## SEX.

Stretford	Longford	Talbot	Trafford	Cornbrook	Clifford	Park	Transferred to District by the County M.O.H.	Total	Males	Females
125	74	117	201	77	128	140	4	866	417	449

The above statement shows the Wards in which the births registered in the district occurred. The four transferred births are not allocated to Wards, the addresses not being supplied.

## ILLEGITIMACY.

Illegitimate births were registered from the following Wards :—

Stretford.	Longford.	Talbot.	Trafford.	Cornbrook.	Clifford.	Park.	Transferred to the District.	Total
3	3	1	6	2	3	4	4	26

There is an increase of five illegitimate births as compared with the year 1919, when 21 such births were recorded.

One death of an illegitimate child has occurred during the year.

Below I give a short table comparing the death rates per 1,000 registered births of legitimate and illegitimate children for the year 1920 and the five previous years.

	1920	1919	1918	1917	1916	1915
Illegitimate ... ..	38.4	333.3	62.5	45.4	90.9	363.6
Legitimate ... ..	55.9	76.7	62.8	49.5	69.4	80.5

## VI.—VITAL STATISTICS OF THE DISTRICT.

The following tables show the vital statistics of the district for the year. In several of the tables they are compared with previous years.

The Death Rate was 10.3, and apart from the year 1913, when the rate was 10.0 per 1,000, is the lowest on record for the district. This I consider a very satisfactory figure.

The Birth Rate was 18.2, and although low when compared to England and Wales (see Table 12) is an increase on recent years. The Birth Rate for 1919 was 12.8.

The Infantile Death Rate of 55.4 per 1,000 births registered may also be considered very satisfactory. The lowest Infantile Death Rate recorded for the district was in 1917, when it reached 49.2. In 1918 it was 62.8 and in 1919 76.7. Table IV gives the causes of deaths of the 47 infants. Tables 13 and 14 give the Ward distribution and the Infantile Mortality Rate for each Ward.



TABLE 9. SANITARY CENSUS.—STATISTICAL PURPOSES.

1	2	3	4	5	6	7	8	9	10	11
WARD.	Number of Houses.	Number of Houses occupied.	Number of Houses empty.	Houses occupied Census 1911.	Houses empty Census 1911.	Population Census 1911.	Number of Persons per occupied House Census April, 1911.	Estimated Population December, 1920, based on Number of persons per House, shown in Col. 8.	Estimated Number of Houses occupied June 30th, 1921.	Estimated Population June 30th, worked on figures shown in Col. 8 & 10.
Stretford ...	1575	1571	4	1444	50	6084	4.2	6598	1602	6728
Longford...	882	879	3	736	59	3220	4.37	3841	879	3841
Talbot ...	1733	1725	8	1492	69	7316	4.9	8453	1788	8761
Trafford ...	2861	2854	7	2577	198	11311	4.38	12501	2869	12566
Cornbrook ...	752	746	6	711	81	3707	5.0	3730	746	3730
Clifford ...	1554	1550	4	1506	79	6779	4.5	6975	1550	6975
Park ...	1051	1049	2	824	108	4079	4.88	5119	1083	5285
Total ...	10408	10374	34	9290	644	42496	—	47217	10517	47886

TABLE I.  
VITAL STATISTICS OF WHOLE DISTRICT DURING 1920 AND PREVIOUS YEARS.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.				
		Un-corrected Number.	Nett.	Number	Rate.	Of Non-residents registered in the District.	Of Residents not registered in the District.	Under 1 Yr. of Age		At all Ages.		
								Number	Rate.		Number	Rate per 1,000 Nett Births.
1	2	3	4	5	6	7	8	9	10	11	12	13
1915	44,042	659	668	15.1	463	10.5	26	106	60	89.8	543	12.3
1916	{ *43,502 } { †47,330 }	737	756	15.9	406	9.3	27	125	53	70.1	504	11.5
1917	{ *40,682 } { †45,349 }	649	670	14.7	372	9.1	26	112	33	49.2	458	11.2
1918	{ * 40,636 } { † 45,532 }	564	573	12.5	505	12.3	45	110	36	62.8	570	14.0
1919	{ *45,603 } { †47,506 }	608	612	12.8	434	9.5	15	146	47	76.7	565	12.3
1920	47,419	862	866	18.2	387	8.1	18	118	47	55.4	487	10.3

Area of District in acres (land and inland water), 3,239½.  
Total families or separate occupiers, 9,304 (at Census, 1911).  
Total population at all ages, 42,496 (at Census, 1911).  
\* Population for Death Statistics.  
† Population for Birth Statistics.

TABLE II.—CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1920.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.							No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.							
	At Ages (Years).							Wards.							Wards.							Total removed to Hospital.
	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.	Stretford.	Longford.	Talbot.	Trafford.	Cornbrook.	Clifford.	Park.	Stretford.	Longford.	Talbot.	Trafford.	Cornbrook.	Clifford.	Park.	
At all ages.	23	54	248	69	75	30	4	35	37	95	115	62	61	98	16	11	34	28	7	10	48	144
Smallpox ...	—	3	—	—	—	—	—	11	3	17	12	11	6	2	—	—	—	—	—	—	—	—
Chicken Pox...	62	10	48	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cholera, Plague ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria (including Membranous Croup)	37	9	21	1	4	1	—	3	1	8	9	4	3	9	—	—	5	3	1	—	—	5
Erysipelas ...	16	—	1	—	6	6	3	—	2	3	3	1	7	—	—	1	29	23	4	2	—	14
Scarlet Fever ...	241	33	159	38	8	1	—	14	21	44	57	16	16	73	6	10	—	—	—	7	43	122
Typhus Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric Fever ...	6	—	—	1	4	1	—	—	—	1	3	1	1	—	—	—	—	1	—	1	—	2
Encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lethargica ...	1	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	1
Dysentery ...	1	—	—	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Fever ...	3	—	—	—	3	—	—	—	—	—	1	1	—	1	—	—	—	1	1	—	—	2
Ophthalmia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Neonatorum ...	15	—	—	—	—	—	—	—	1	1	2	4	7	—	—	—	—	—	—	—	—	—
Cerebro-Spinal Fever	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tubercu- (Pulmonary	70	1	4	18	33	14	—	6	4	13	17	8	14	8	—	—	—	—	—	—	—	—
losis (Other Forms	26	1	12	6	4	2	—	1	2	3	2	7	7	4	—	—	—	—	—	—	—	—
Malaria ...	3	—	—	1	2	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—
Pneumonia ...	21	—	2	4	9	5	1	—	2	4	7	8	—	—	—	—	—	—	—	—	—	—
Totals ...	503	23	54	248	69	75	30	4	35	95	115	62	61	98	16	11	34	28	7	10	48	144



TABLE III.—CAUSES OF AND AGES AT DEATH.  
NETT DEATHS BELONGING TO THE DISTRICT DURING 1920.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.									Deaths in Localities at all Ages.							Death in Public Institutions.
	All Ages.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Stretford Ward.	Longford Ward.	Talbot Ward.	Trafford Ward.	Cornbrook Ward.	Clifford Ward.	Park Ward.	
All causes { Certified ... { Uncertified	472 15	46 1	6	8 1	15 1	13	79 1	143 4	162 7	68 2	39	73 2	107 5	44 1	93 3	48 2	1
Enteric Fever ...	2					1		1				1	1				
Smallpox ...																	
Measles ...	6	2	2	1	1								2		1	3	
Scarlet Fever ...	1			1												1	
Whooping Cough...	2	2								1					1		
Diphtheria & Croup	4	1		1	2							1			1	2	
Influenza ...	14	1				1	6	4	2	4	2	2	1	1	2	2	
Erysipelas ...	1							1							1		
Phthisis (Pulmon- ary Tuberculosis)	43				1	6	19	16	1	5	2	4	11	4	13	4	
Tuberculous Meningitis ...	2	1		1						1		1					
Other Tuberculous Diseases ...	4				1		1	2		1		1	1		1		
Cancer, Malignant Disease ...	54						6	28	20	3	4	9	19	6	9	4	
Rheumatic Fever	3				2	1							2			1	
Meningitis ...	2	2											2				
Organic Heart Disease ...	50					1	5	15	29	9	3	7	14	2	9	6	
Bronchitis ...	30				1		2	13	14	4	2	6	6	2	7	3	
Pneumonia (all forms)	32	2	1	1	2		6	12	8	4	4	6	5	2	6	5	
Other Diseases of Respiratory Organs ...	4						2	2		3				1			
Diarrhœa and Enteritis...	3	2	1								2		1				
Appendicitis and Typhlitis...	5			1	1	1	2			2		2	1				
Cirrhosis of Liver	1							1		1							
Alcoholism ...																	
Nephritis and Bright's Disease	10						1	8	1	1	1	1	3	2	2		
Puerperal Fever ...	1						1									1	
Other Accidents & Diseases of Preg- nancy and Par- turation ...	2						2					1				1	
Congenital Debility & Malformation, including Pre- mature Birth ...	22	22								4	2	3	4	4	2	3	
Violent Deaths, excluding Suicide	14				1		4	6	3	1	1	2	2	3	2	3	
Suicides ...	3						2	1				1			1	1	
Other Defined Diseases ...	170	12	2	3	4	2	21	37	89	26	16	27	36	18	37	10	1
Diseases ill-defined or unknown ...	2								2				1		1		
ALL CAUSES ...	487	47	6	9	16	13	80	147	169	70	39	75	112	45	96	50	1

TABLE III.—*continued.*

SUB-ENTRIES INCLUDED IN THE FOREGOING FIGURES.

Cerebro-Spinal														
Meningitis ...	1	1									1			
Poliomyelitis ...														
Lobar Pneumonia	10				2	5	3	1		2	3		2	2
Acute Croupous														
Pneumonia ...	1	1							1					
Pneumonia ...	10		1	1	2	6		2	1	1		2	2	2

TABLE IV.

INFANT MORTALITY 1920.

NETT DEATHS FROM STATED CAUSES AT VARIOUS AGES  
UNDER 1 YEAR OF AGE.

CAUSE OF DEATH.				Under 1 week	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 1 month.	1-3 months.	3-6 months.	6-9 months.	9-12 months.	Total deaths under 1 year.
All causes	{ Certified	...	...	16	8	3	1	28	4	6	5	3	46
	{ Uncertified	...	...						1				1
Influenza	...	...	...						1				1
Smallpox	...	...	...										
Chicken-pox	...	...	...										
Measles	...	...	...							1	1		2
Scarlet Fever	...	...	...										
Whooping Cough	...	...	...							1		1	2
Diphtheria and Croup	...	...	...								1		1
Erysipelas	...	...	...										
Tuberculous Meningitis	...	...	...								1		1
Abdominal Tuberculosis	...	...	...										
Other Tuberculous Diseases	...	...	...										
Meningitis(not Tuberculous)	...	...	...				1	1				1	2
Convulsions	...	...	...	1	1	1		3			1		4
Laryngitis	...	...	...										
Bronchitis	...	...	...										
Pneumonia (all forms)	...	...	...						1	1			2
Diarrhoea	...	...	...										
Enteritis	...	...	...							2			2
Gastritis	...	...	...										
Syphilis	...	...	...										
Rickets	...	...	...										
Suffocation, overlying	...	...	...										
Injury at Birth	...	...	...										
Atelectasis	...	...	...	3				3					3
Congenital Malformations	...	...	...	2	2	2		6	1				7
Premature Birth	...	...	...	9	2			11	1		1		13
Atrophy, Debility and	...	...	...										
Marasmus	...	...	...		1			1		1			2
Other Causes	...	...	...	1	2			3	1			1	5
Total				16	8	3	1	28	5	6	5	3	47

Nett Births in the year:—Legitimate, 840; illegitimate, 26.

Nett Deaths in the year of legitimate infants, 46 ;  
illegitimate infants, 1.

TABLE 10.

TABLE GIVING THE BIRTH AND DEATH RATES OF THE  
TOWNSHIP FOR THE YEARS 1911-1920.

Year.	Births.	Rate.	Deaths.	Rate.	Population.
1911 ...	747	17.6	477	11.2	42,496
1912 ...	760	17.3	493	11.2	43,700
1913 ...	733	16.4	446	10.0	44,600
1914 ...	816	18.0	542	12.0	45,100
1915 ...	668	15.1	543	12.3	44,042
1916 ...	756	15.9	504	11.5	{ 43,502 47,330
1917 ...	670	14.7	458	11.2	{ 40,682 45,349
1918 ...	573	12.5	570	14.0	{ 40,636 45,532
1919 ...	612	12.8	565	12.3	{ 45,603 47,506
1920 ...	866	18.2	487	10.3	47,419



TABLE 11.—TABLE OF WARDS, ACREAGE, POPULATION, DENSITY OF POPULATION,  
BIRTH RATE AND DEATH RATE.

WARD.	ACREAGE.	POPULATION.		Persons per Acre.	BIRTH RATE.		DEATH RATE.	
		1920	1919		1920	1919	1920	1919
Stretford ... ..	663½	7177	7016 } 7308 }	10.8	17.4	10.2	9.7	9.4
Longford ... ..	455	4017	3763 } 3919 }	8.8	18.2	11.5	9.7	11.4
Talbot ... ..	756	7897	7399 } 7908 }	10.4	14.8	11.6	9.5	10.8
Trafford ... ..	270	13038	12613 } 13140 }	48.2	15.3	11.2	8.5	13.3
Cornbrook ... ..	171	3424	3348 } 3487 }	20.0	22.4	18.9	13.1	18.5
Clifford ... ..	62	7079	6940 } 7229 }	114.2	18.0	12.8	13.5	12.6
Park ... ..	862	4789	4524 } 4715 }	5.5	29.2	20.1	10.4	12.8

The population in the wards is based on the estimated population supplied by the Registrar-General, the higher figures being used for the Birth Rates and the lower ones for the Death Rates for the year 1919.

TABLE 12.—COMPARATIVE TABLE OF LIFE STATISTICS, 1920.

	Birth Rate per 1,000 Total Population	ANNUAL DEATH RATE PER 1,000 CIVILIAN POPULATION.									Rate per 1,000 Births.	
		All Causes	Enteric Fever	Small-pox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhœa and Enteritis (under 2 years)	Total Deaths under one year
England and Wales ...	25.4	12.4	0.01	—	0.19	0.04	0.11	0.15	0.28	0.48	8.5	80
96 Great Towns, including London (Census populations exceeding 50,000) ...	26.2	12.5	0.01	—	0.22	0.04	0.14	0.16	0.31	0.43	10.4	85
148 Smaller Towns (Census populations 20,000—50,000) ...	24.9	11.3	0.02	—	0.19	0.03	0.10	0.14	0.27	0.38	7.8	80
London ...	26.5	12.4	0.01	—	0.22	0.05	0.17	0.22	0.30	0.47	9.5	75
Stretford ...	18.2	10.3	0.04	—	0.12	0.02	0.04	0.08	0.29	0.29	5.77	55.4

It will be seen from the above table that Stretford's Annual Death Rate per 1,000 of the civilian population compares very favourably with that of England and Wales as a whole, also the 96 Great Towns and 148 Towns with populations varying from 20,000 to 50,000 ; but Stretford compares less favourably with those towns in respect of the Birth Rate per 1,000 of the total population, being only 18.2 as against 24.9 for the 148 Towns above referred to, and 26.2 of the 96 Great Towns with populations exceeding 50,000.

TABLE 13 --INFANT MORTALITY: CAUSES OF DEATH.

The Statement below shows that of the 866 children born during 1920, 47 died before reaching one year of age; this is equal to 55.4 per 1,000 births registered. The greatest mortality has been in the Longford Ward with a mortality rate of 108.1.

WARD	Small-pox	Chicken-pox	Measles	Scarlet Fever	Whooping Cough	Diphtheria and Croup	Erysipelas	Tuberculous Meningitis	Abdominal Tuberculosis	Other Tuberculous Diseases	Meningitis (not Tuberculous)	Convulsions	Laryngitis	Bronchitis	Pneumonia	Diarrhoea	Enteritis	Gastritis	Syphilis	Rickets	Suffocation, overlying	Injury at Birth	Atelectasis	Congenital Malformations	Premature Birth	Atrophy, Debility & Marasmus	Influenza	Other causes	TOTAL	Death Rate per 1000 Births registered in Wards.
Stretford	...	...	...	1	...	...	1	1	...	...	...	...	...	...	2	...	...	1	...	...	...	...	1	3	1	1	1	8	60.4	
Longford	...	...	...	...	...	...	...	...	...	...	...	1	2	...	2	...	1	...	...	...	...	...	2	2	...	1	1	8	108.1	
Talbot	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	6	51.2	
Trafford	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	3	1	1	10	49.2		
Cornbrook	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	1	1	2	5	64.9		
Clifford	...	...	...	1	1	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	2	...	3	...	6	46.9		
Park ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	28.6		
Total ...			2	2	1	1	1	1	...	...	2	4	...	...	2	2	...	2	...	...	...	...	3	7	13	2	1	5	47	55.4

TABLE 14.  
 INFANTILE MORTALITY.  
 DEATHS IN WARDS AT UNDERMENTIONED AGES.

WARD	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 1 month	1—3 months	3—6 months	6—9 months	9—12 months	Total Deaths under 1 year
Stretford ...	3	2	—	—	5	—	1	1	1	8
Longford ...	2	1	—	—	3	2	2	1	—	8
Talbot ...	4	1	—	—	5	—	—	—	1	6
Trafford ...	2	1	—	1	4	2	2	1	1	10
Cornbrook	2	2	—	—	4	1	—	—	—	5
Clifford ...	—	1	3	—	4	—	1	1	—	6
Park ...	3	—	—	—	3	—	—	1	—	4
Total ...	16	8	3	1	28	5	6	5	3	47



TABLE 15.

DEATHS OCCURRING OUTSIDE THE DISTRICT  
OF PERSONS BELONGING TO THE DISTRICT.

Causes of Death	Manchester			Salford		Eccles	Prest- wich	Other districts		Total
	Public Institutions	Private Institutions	Other Addresses	Public Institutions	Other Addresses	Public Institutions	Public Institutions	Public Institutions	Private Houses, &c.	
Enteric Fever ... ..	—	—	—	1	—	—	—	—	—	1
Scarlet Fever ... ..	—	—	—	1	—	—	—	—	—	1
Diphtheria ... ..	—	—	—	2	—	—	—	—	—	2
Influenza ... ..	—	—	—	—	—	—	—	1	—	1
Erysipelas ... ..	—	—	—	1	—	—	—	—	—	1
Phthisis ... ..	—	—	—	—	—	6	1	9	2	18
Tuberculous Meningitis	—	—	—	—	—	—	—	1	—	1
Other Tuberculous Diseases ... ..	1	1	—	—	—	—	—	—	—	2
Cancer ... ..	7	1	—	1	—	1	—	—	1	11
Organic Heart Disease	2	—	—	1	—	4	—	—	1	8
Pneumonia ... ..	—	—	—	—	—	2	1	—	2	5
Diarrhœa & Enteritis	1	—	—	—	—	1	—	—	—	2
Appendicitis and Typhilitis ... ..	5	—	—	—	—	—	—	—	—	5
Nephritis and Bright's Disease ...	2	—	—	—	—	1	—	—	—	3
Congenital Debility & Malformations, in- cluding Premature Birth ... ..	4	—	—	—	1	—	—	—	—	5
Violent Deaths ... ..	5	—	—	—	—	—	—	—	3	8
Suicides ... ..	—	—	—	—	—	—	—	1	—	1
Other Defined Diseases	18	2	—	2	—	9	—	7	4	42
Diseases ill-defined or unknown... ..	—	—	1	—	—	—	—	—	—	1
Total ...	45	4	1	9	1	24	2	19	13	118

TABLE 16.

TABLE OF WARDS AND ZYMOTIC DEATH RATES  
FOR 1919 AND 1920.

WARD.	1920	1919
Stretford ... ..	0.14 per 1,000	0.14 per 1,000
Longford ... ..	0.49 „	0.27 „
Talbot ... ..	0.25 „	0.27 „
Trafford ... ..	0.31 „	0.08 „
Cornbrook ... ..	0.00 „	0.59 „
Clifford ... ..	0.42 „	0.28 „
Park ... ..	1 25 „	0.22 „

The seven principal Zymotic Diseases were responsible for 18 deaths during the year, compared to 10 for the year 1919; the respective death rates being 0.37 and 0.22. The table above shows the death rate in each of the Wards.

The Zymotic Diseases above referred to are shown in the next table.

TABLE 17.  
COMPARATIVE ZYMOTIC MORTALITY.

Number of Deaths.										
Causes of Death.	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Smallpox ...										
Measles ...	3	5	4	2	13	—	8	3	2	6
Scarlet Fever ...	1	1	3	5	1	3	1	—	—	1
Whooping Cough ...	4	4	7	3	5	4	4	5	1	2
Diphtheria, including Membranous Croup ...	2	3	4	1	5	9	1	6	2	4
Fevers :—										
Typhus ...										
Enteric ...	5	3	5	2	2	5	2	2	1	2
Continued ...										
Diarrhœa ...	41	7	11	10	10	10	10	5	4	3
	56	23	34	23	36	31	26	21	10	18
Rate per 1000 population	1.3	0.52	0.76	0.51	0.81	0.71	0.63	0.51	0.22	0.37

The table records the number of deaths from the seven principal Zymotic Diseases during each of the past ten years, also the rate per 1,000 of the population.

## FACTORIES, WORKSHOPS, WORKPLACES AND HOMEWORK.

### 1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORK- PLACES, including Inspections made by Sanitary In- spectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspec- tions.	Written Notices.	Prose- cutions.
Factories (including Factory Laun- dries) ... ..	65	11	
Workshops (including Workshop Laundries) ... ..	111	4	
Workplaces (other than Outworkers' premises included in Part 3 of Report) ... ..	—	—	
Total ... ..	176	15	

### 2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars.	Number of Defects			Num- ber of Pro- secu- tions
	Found	Re- med'd	Ref'd to H.M. Ins- pector	
Nuisances under the Public Health Acts :—				
Want of cleanliness ... ..	2	2		
Want of ventilation ... ..				
Overcrowding ... ..				
Want of drainage of floors ... ..				
Other nuisances ... ..	16	16		
Sanitary accommodation—				
Insufficient ... ..	3	3		
Unsuitable or defective ... ..	9	9		
Not separate for sexes ... ..	1	1		
Offences under the Factory and Workshop Acts :—				
Illegal occupation of underground bakehouse (s. 101) ... ..				
Breach of special sanitary require- ments for bakehouses (ss. 97 to 100) ... ..				
Other offences (excluding offences relating to outwork which are in- cluded in Part 3 of this Report) ... ..				
Total ... ..	31	31		



## 3.—HOME WORK.

Nature of Work.	Number of	
	Lists.	Out-workers.
Lists of Outworkers (s. 107) :— Wearing Apparel—Making, etc. Lists received from Employers ...	5	47
	5	47

## 4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.
Millinery ... ..	9
Confectionery ... ..	16
Upholstery ... ..	6
Printing ... ..	3
Dressmakers ... ..	15
Tailors ... ..	9
Bakers ... ..	11
Boot Repairing ... ..	24
Cycle Repairing ... ..	3
Boat Builders ... ..	3
Builders and Joiners ... ..	8
Motor Repairers ... ..	6
Laundry ... ..	5
Other Workshops ... ..	43
Total number of Workshops on Register ... ..	161

## 5.—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspector of Factories :—	
Failure to affix Abstract of the Factory and Workshop Acts (s. 133, 1901) ... ..	—
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts (s. 5, 1901)—	
Notified by H.M. Inspector ... ..	4
Reports (of action taken) sent to H.M. Inspector ... ..	4
Other ... ..	—
Underground Bakehouses (s. 101) in use at the end of the year ... ..	2

## APPENDICES.—HOUSING CONDITIONS.

## STATISTICS.

YEAR ENDING DECEMBER 31ST, 1920.

## I.—GENERAL.

(1) Estimated population	...	...	...	47,419
(2) General Death Rate	...	...	...	10.3
(3) Death Rate from tuberculosis	...	...	...	0.88
(4) Infantile mortality	...	...	...	55.4
(5) Number of dwelling-houses of all classes	...	...	...	10,408
(6) Number of working-class dwelling-houses	...	...	...	5,900
(7) Number of new working-class houses erected	...	...	...	127

## II.—UNFIT DWELLING-HOUSES.

## 1.—INSPECTION.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	...	151
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	...	...	...	...	Nil
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	Nil
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	...	...	...	...	131

## 2.—REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	...	...	...	...	113
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## 3.—ACTION UNDER STATUTORY POWERS.

## A.—Proceedings under Section 28 of the Housing, Town Planning, etc., Act, 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ... ..	1
(2) Number of dwelling-houses which were rendered fit—	
(a) By owners ... ..	Nil
(b) By Local Authority in default of owners (notice served in November, 1919) ...	17
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close ... ..	Nil

## B.—Proceedings under Public Health Acts.

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... ..	166
(2) Number of dwelling-houses in which defects were remedied—	
(a) By owners ... ..	137
(b) By Local Authority in default of owners	29

## C.—Proceedings under Sections 17 and 18 of the Housing, Town Planning, etc., Act, 1909.

(1) Number of representations made with a view to the making of Closing Orders ...	Nil
(2) Number of dwelling-houses in respect of which Closing Orders were made... ..	Nil
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit ... ..	Nil
(4) Number of dwelling-houses in respect of which Demolition Orders were made ...	Nil
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders ...	Nil

### III.—UNHEALTHY AREAS.

Areas represented to the Local Authority with a view to Improvement Schemes under (a) Part I, or (b) Part II, of the Act of 1890.

(1) Name of area ...	...	...	...	...	Nil
(2) Acreage...	...	...	...	...	Nil
(3) Number of working-class houses in area	...				Nil
(4) Number of working-class persons to be displaced	...	...	...	...	Nil
4.—Number of houses not complying with the building bye-laws erected with consent of Local Authority under Section 25 of the Housing, Town Planning, etc., Act, 1919	...	...	...		25

5.—Staff engaged on housing work with, briefly, the duties of each officer :—

One Architect and Surveyor—General advisory, administrative and supervisory work to the Housing Committee.

Two Architectural Assistants—Acting also as Clerks of Works.

One Junior Architectural Assistant and Quantity Surveyor.

One Housing Clerk—Letting and rent collection.

Miscellaneous clerical, surveying and architectural work is done also by the regular staff of the Council in the Surveyor's Department, and clerical work is done also in the Department of the Clerk of the Council.



TABLE (C).  
COUNTY OF LANCASTER.

SUMMARY OF MEDICAL OFFICER'S REPORT FOR 1920.  
URBAN DISTRICT OF STRETFORD.

Medical Officer of Health, WILLIAM JOHN HESLOP, F.R.C.S. (Ed.). Salary as M.O.H., £185. Amount of Bonus, £120. Is he a whole-time Officer? No.

Inspector of Nuisances, SAMUEL MASSEY. Salary as Inspector, £243. Amount of Bonus, £242 6s. 2d. Is he a whole-time Officer? Yes. If not, what other appointments does he hold? Nil.

Assistant Inspectors of Nuisances:—ROBERT C. JACKSON. Salary, £195; Bonus, £215 13s. 2d. THOS. E. BOWKER. Salary, £170; Bonus, £197 15s. 6d. HAROLD M. GATHERCOLE. Salary, £120; Bonus, £162 0s. 1d.

What is the character of the Hospital Accommodation? For Smallpox; Good. For other Infectious Diseases, Good.

Is it joint or otherwise? Accommodation is provided by the Salford Corporation at their Ladywell Sanatorium for Infectious Diseases, and at Drinkwater Park for Smallpox. A retaining fee is paid.

No. of Beds available for your District? For Smallpox, 6. For other Infectious Diseases, 18.

Disinfection.—No. of Houses disinfected? 271. Method (state disinfectant used)? Formalin and by Sulphur. Are Houses disinfected after (a) Phthisis? Yes. (b) Measles? No. Apparatus used for Clothing, Bedding, etc. (steam or otherwise)? Steam—Washington Lyons Patent. No. of Articles disinfected? 2,763. Where is Apparatus situated? Sanitary Depot, Empress Street, Cornbrook.

If Apparatus at Hospital is available, is it used for the disinfection of Clothing, Bedding, etc., of Patients *not* removed to the Hospital? No.

If not, please state how disinfection of Clothing, etc., in these cases is carried out? At Empress Street, Cornbrook.

Are any Diseases notifiable other than those which are compulsorily notifiable (for instance, Measles, Whooping Cough, Diarrhoea, Chicken Pox, etc.)? Yes. If so, what are they? Chicken-pox.

What Diseases have been specially prevalent? Scarlet Fever. Period? October, November and December.

No. of times School Closure adopted? Nil.

No. of Special Reports made under Art. XIX (15 and 16) Sanitary Officers' Order, 1910? Nil.

Bacteriological Examinations.—No. of Specimens examined: Blood, 8. Throat Swabs, 49. Sputum, 98. Swabs for Ophthalmia Neonatorum, Nil. Milk, Nil. Others, 1 (Malaria).

Diphtheria Anti-Toxin Order, 1910.—Is a supply of Anti-toxin kept within the district? Yes. If so, where? Council Offices, Old Trafford; Police Stations, Old Trafford, Trafford Park, and Stretford. Amount used during 1920? Cannot say.

"The Housing Acts, 1890 to 1919."—Has your Authority determined the procedure to be adopted for the inspection of your District as required by Article I of the Regulations of 2nd Sept., 1910? Yes.

Has your Authority prepared, as required by Article I (3), a list of dwelling-houses the "early inspection of which is, in the opinion of the M.O.H., desirable"? No (no property in the district which in the opinion of the M.O.H. is in such a condition as to necessitate this). Has your Authority designated an officer to undertake the special inspection of houses and to keep the records stipulated by Articles (II) and (III)? Yes. What officer has been so designated? One Chief Inspector, three District Inspectors. Have the necessary books, forms, etc., for keeping the required records been obtained? Yes. Are these kept up-to-date? Yes. Action taken in 1920 under the Housing Acts:—(a) No. of Dwelling-houses specially inspected during 1920 under Sec. 17 of the Act of 1919, *i.e.*, with a view to ascertaining whether any dwelling-houses are unfit for human habitation? Nil. Have the particulars of these inspections, as specified in Article II (1) to (8), and Article III (1) to (8), of the Housing (Inspection of District) Regulations, 1910, been fully recorded? Nil. (b) No. of Dwelling-houses inspected under (a) which are considered unfit for human habitation? Nil. (c) No. of Representations to Authority with a view to making Closing Orders? Nil. (d) No. of Closing Orders made? Nil. (e) No. of Dwelling-houses in which defects were remedied without making Closing Orders? Nil. (f) No. of Dwelling-houses put into a fit state of habitation after making Closing Orders? Nil. (g) No. of Dwelling-houses demolished? Nil. General character of defects found to exist? Nil. Total No. of Dwelling-houses inspected for purposes of the Housing Acts, other than those inspected under (a) above (not including inspections *re* Nuisances, etc.)? 20.

If your Authority has a Housing Scheme, state what stage had been reached on December 31st, 1920, giving information under the following headings:—No. of Schemes submitted, 5. No. of Lay-outs submitted, 5; approved, 5. No. of Houses included in House Plans submitted, 790; approved, 790. No. of Houses on which work has commenced, 323; completed, 127.

No. of houses built during 1920 by private enterprise? 40.

Source of Water Supply.—Manchester Corporation Waterworks and two Wells. What is its condition? Manchester Corporation—Good. Wells—Fairly satisfactory. Possibilities of contamination? Wells, surrounding lands under cultivation. Any insufficiency, and where? No. Nature of extensions (if any) during the year? Nil.

Are Scavenging and Removal of House Refuse carried out satisfactorily for whole of district? Yes. How performed (state whether by Sanitary Authority, Contract, or Occupiers of Houses)? By Sanitary Authority. If Privy Middens exist, are they emptied by day or night? Only one in the district (at a farm). How is the Refuse disposed of? By combustion and tip. Has a Destructor been provided? Yes. If so, where? Empress Street, Cornbrook.

Sewage Disposal Works.—Method of Treatment? Broad irrigation and bacterial treatment. What is the character of the Drainage System? Any developments during year? Satisfactory. Areas, or Townships, without proper drainage system? Nil. Action taken—Drain Testing, Flushing, etc.? Drains tested with water and smoke. Sewers periodically flushed from 800 gallon tank.

Action taken with regard to the Pollution of Streams? Nil.

Canal Boats: Number Inspected? Nil. Number of Infringements of Acts? Nil.

What is the condition of the Bakehouses? Satisfactory. Number? 46.



What is the condition of Slaughter-houses ? Satisfactory. Number ? 5. No. Registered ? Nil. No. Licensed ? 5. Has a Public Abattoir been provided ? No.

What is the condition of Lodging-houses ? — Number ? Nil. Are they Registered ? —

What is the Sanitary condition of the Schools ? Satisfactory.

Dairies, Cowsheds and Milkshops—Are they periodically inspected ? Yes. What is their condition ? Satisfactory. Have Regulations been made under the Order of the L.G.B. ? Yes. Are they enforced ? Yes.

Amount of air space in cubic feet required for each cow ? (a) Where cows are habitually grazed ? 600 for old and 800 for new cowsheds. (b) Where cows are not habitually grazed ? Ditto.

Total Number of Cowkeepers ? 8. Number on Register ? 8. Number of Inspections during year ? 89.

Total No. of Dairymen or Milk Purveyors (other than Cowkeepers) ? 140. No. on Register ? 140.

Any arrangements for veterinary inspection of dairy cows ? No.

Action taken (if any) as to tuberculous milk ? Samples bacteriologically examined.

Inspection of Food.—Amount condemned or surrendered as unfit for human consumption—(a) Tuberculous carcasses and parts ? Nil. (b) Diseases, unsound, or unwholesome meat (other than above) ? Nil. (c) Other foodstuffs ? Nil. No. of Legal Proceedings and result ? Nil.

Notices served—Nuisances.—No. of Notices served ? Informal, 456 ; Statutory, 73. No. of Nuisances abated ? 1,053. No. of Legal Proceedings taken and result ? None.

Closets and Ashpits :—

Privy Middens—No. of Middens ? 1. No. of Closets attached to these Middens ? 1.

No. of Pail Closets ? 184. No. of Dry Ashpits (excluding Middens) ? 1,658.

No. of Fresh Water Closets ? 13,986. No. of Portable Receptacles for refuse ? 7,804.

No. of Waste Water Closets, 294.

No. of Privy Closets converted during 1920 ? To Fresh W.C.s, nil ; to Waste W.C.s, nil ; to Pails, etc., nil.

No. of Pail Closets converted to Fresh W.C.s, nil ; to waste W.C.s, nil.

No. of Waste W.C.s converted to Fresh W.C.s, 37.

Does Council contribute towards the cost of conversion ? Yes, of waste water closets. If so, how much ? £5 per closet.

What kind of closet accommodation is being provided for new property ? Washdown pedestal closets.

Smoke :—

No. of Observations ? 50.

No. of Legal Proceedings taken and result ? Nil.

What is the time limit allowed for the emission of black smoke per hour ? 4 minutes per hour.

Has the Authority adopted—

“ The Infectious Disease (Prevention) Act, 1890 ” ? Yes.

“ The Public Health Acts Amendment Act, 1890 ” ? Yes.

“ The Public Health Acts Amendment Act, 1907 ” ? Yes.

Has a Health Visitor been appointed by the Local Council ? State whether whole or part time ? Yes. Whole time.

Qualifications of Health Visitor ? C.M.B.

Has any, and if so what, action been taken by the Council respecting Child Welfare Work ? Baby Clinics established.

Has any scheme been prepared in regard to the Supply of Food and Milk for Expectant and Nursing Mothers, and of Milk for Infants ? Yes.

Is there a District Nursing Association in the District ? Yes. How many District Nurses employed ? —

If so, does any arrangement exist between the Council and the Association in respect of Child Welfare Work ? No.

If no such arrangement exists, does the Association voluntarily undertake Child Welfare Work ? No.

Does the Association undertake—(a) Midwifery cases (attendance at confinement without a Medical Practitioner) ? — (b) Monthly Nursing ? —

Notable Sanitary Improvements during 1920. Nil.

Chief Sanitary requirements of District. Nil.

(Signed) W. J. HESLOP, F.R.C.S.,

Medical Officer of Health.

June, 1921.







Stretford Urban District Council.

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CHIEF INSPECTOR'S  
**REPORT**

UPON THE WORK OF THE

Health, Cleansing, and  
Hackney Coach Departments  
during the year 1920.

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S. Massey,  
*Sanitary Inspector.*



# The Urban District Council of Stretford.

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## Sanitary Staff.

S. MASSEY, A.R.S.I., Cert. M.I., Chief Inspector.

R. C. JACKSON, Assistant Sanitary Inspector and Cleansing Superintendent.

T. E. BOWKER, C.R.S.I., Cert. M.I., Assistant Sanitary Inspector.

H. M. GATHERCOLE, A.R.S.I., Assistant Sanitary Inspector.

MRS. RIDGWAY, C.M.B., Health Visitor.

S. SWIFT, A.R.S.I., Clerk and Assistant Sanitary Inspector.

A. SCHOFIELD, Inspector's Junior Clerk.

G. H. HOWARTH, Foreman, Cleansing Department.



# ANNUAL REPORT OF THE INSPECTOR OF NUISANCES

FOR THE  
YEAR ENDED DECEMBER 31<sup>ST</sup>, 1920.

————:O:————

TO THE CHAIRMAN AND MEMBERS OF THE  
HEALTH COMMITTEE.

GENTLEMEN,

On the death of your late Chief Inspector of Nuisances, Mr. Ellis Nuttall, which occurred in November, I was appointed to the position. I have therefore the honour to present to you the report upon the work of the Health Department for the year 1920, in connection with the abatement of nuisances complained of or found to exist by the staff of the department.

The report also includes statements as to the number of refuse receptacles there are in the district, and statements showing the number of receptacles emptied and loads of refuse removed during the year. A table is also included showing the amount of refuse dealt with at the Destructor during the year. The tip to which the refuse from the village end of the district has for many years been taken is now almost used up ; it will therefore be necessary in the near future to make further arrangements for the disposal of the refuse from that portion of the district. Although the department has been much handicapped by the constant breaking-down of the two second-hand motor vehicles purchased, it will be seen from the tables of figures in the report that 114,997 more receptacles have been emptied during the year than during the preceding year. It will also be seen that the dust-bins were emptied almost weekly, that the ashpits were emptied on an average eight times during the year or once every  $6\frac{1}{2}$  weeks, and that the pail closets, which are chiefly on the Docks and often inaccessible owing to railway waggons being across the approaches, were emptied rather more than 40 times each during the year.

On reference to the statement showing the number of drains and sanitary fittings tested by the staff it will be seen that a considerable amount of time has been spent in the testing of drains and sanitary fittings of new property ; this has been occasioned by the large amount of building of works in the Trafford Park area, and the building on the Council's own Housing Sites.

Comparison of the number of visits and inspections made during the year will also show, if compared with a similar statement in the 1919 report, that more visits have been necessary to structural and drainage work being carried out in the abatement of nuisances, and that as a result of this and the time spent on new property, fewer visits have been made to cowsheds, dairies, milkshops, slaughter-houses, and to the manure steads in the district.

Details of the work of the department are given in the following pages.

I am, Gentlemen,

Your obedient servant,

S. MASSEY.

## TYPES OF SANITARY CONVENIENCES.

Ward.	Water Closets.			Privies.	Pails.	Total Conveniences.
	Pedestal and Hoppers	Troughs (Seats)	Waste Water.			
Stretford ...	1957	8	21	—	23	2009
Longford ...	1123	—	16	1	11	1151
Talbot ...	2724	—	4	—	14	2742
Trafford ...	3427	8	17	—	—	3452
Cornbrook	1034	32	3	—	38	1107
Clifford ...	1503	—	233	—	—	1736
Park ...	<sup>A</sup> 1789	31	—	—	84	1904
	<sup>B</sup> 350	—	—	—	14	364
Total ...	13907	79	294	1	184	14465
			14280			

## TYPES OF REFUSE RECEPTACLES.

Ward.	Wet Pits.		Dry Pits.		Dust Bins.	Total.
	Double	Single	Double	Single		
Stretford	—	—	173	60	1162	1395
Longford...	—	1	86	87	587	761
Talbot ...	—	—	95	58	1537	1690
Trafford	—	—	279	118	2185	2582
Cornbrook	—	—	80	137	472	689
Clifford ...	—	—	297	162	824	1283
Park ...	—	—	7	19	1037	1063
Total ...	—	1	1017	641	7804	9463

## COMPLAINTS RECEIVED.

258 letters of complaint were received by the department during the year ; these referred to 286 nuisances, details of which are given below.

Nature of Complaint.	Number Received.
Choked Water Closet ... ..	10
Choked and defective Waste Water Closet ... ..	26
Defective Water Closet Basin ... ..	4
Defective Water Closet Cistern ... ..	6
Defective and insanitary condition of Water Closet ... ..	5
Defective condition of Dustbin or Ashpit ... ..	14
Improper use of Ashpit ... ..	1
Choked Yard Drain ... ..	17
Choked Cellar Drain ... ..	13
Choked Passage Drain ... ..	13
Choked Street Gully ... ..	3
Defective condition of Drain ... ..	2
Defective Yard Surface ... ..	10
Defective Cellar Surface ... ..	2
Defective Passage Surface ... ..	2
Defective Scullery Floor ... ..	1
Defective House Wall ... ..	1
Defective Yard Wall ... ..	1
Defective House Roof ... ..	16
Defective Gutters ... ..	2
Defective Rain-water Pipes ... ..	4
Damp rooms or dwellings ... ..	10
Defective Slopstone ... ..	4
Defective Waste Pipe ... ..	3
Dirty condition of dwelling-house or premises ... ..	7
Overcrowding ... ..	1
Nuisance of Flies ... ..	2
Nuisance from keeping animals ... ..	14
Nuisance from cock crowing ... ..	7
Accumulation of Filth ... ..	4
Accumulation of Fish Offal ... ..	1
Accumulation of Manure ... ..	4
Emission of Black Smoke ... ..	10
Emission of Fumes from chemical works ... ..	2
Requests for Inspector to call ... ..	13
Miscellaneous ... ..	51
	286



## ABATEMENT OF NUISANCES.

To secure the abatement of nuisances the following notices were served during the year :—

Preliminary notices ... ..	456
Statutory notices served ... ..	64
Notices under the Stretford U.D.C. Act of 1904 ...	9
Notices of entry served on occupiers of houses under Stretford U.D.C. Act ... ..	19

Although greater difficulty has been experienced than in former years to secure the compliance with notices, the number of statutory notices served has not greatly increased, and in no case has it been necessary to institute legal proceedings.

Section 87 of the Stretford Urban District Council Act of 1904 has again proved very useful in securing the abatement of nuisances arising from choked and defective drains.

The following statement shows the number of visits made by officers of the department in the supervision of work being done in the removal of insanitary conditions.

It also shows the number of various inspections made.

VISITS MADE BY OFFICERS OF THE  
DEPARTMENT.

Visits and Inspections.	Number.
Inspections made of drains of old property ... ..	90
Other inspections of old property ... ..	733
Visits and re-visits to work done and in progress ...	4932
Visits and re-visits to test drains and sanitary fittings of new property ... ..	1508
Visits in respect of Infectious Diseases ... ..	457
Visits in respect of cases of Tuberculosis ... ..	119
Visits respecting the disinfection of premises ... ..	75
Visits to Cowsheds, Dairies and Milkshops ... ..	89
Visits to Bakehouses ... ..	136
Visits to Slaughter-houses ... ..	111
Visits to Manure steads ... ..	94
Visits to Factories and Workshops ... ..	83
Visits to Shops respecting compliance with Shops Acts...	131
Visits respecting complaint of fumes from Chemical Works ... ..	28
Miscellaneous visits ... ..	626
Visits to Outworkers' premises ... ..	56

The following statement shows the various classes of work carried out under the supervision of the Inspectors.

The number of houses dealt with during the year was 1223. Although this number is less than the number dealt with in the previous year, the repairs carried out have been more extensive.

The work of abolishing the wastewater closets, commenced prior to the war, has been resumed, and during the year 37 of this type of closet have been abolished and washdown pedestal closets substituted; at the same time the ashpits have been taken down, the closet compartments rebuilt, and covered galvanized iron dust-bins provided for the reception of household refuse. This work has also necessitated the re-drainage and the reflagging of the yards.

In addition to the above ashpits, 54 brick built uncovered dust-bin compartments have been abolished, the bins now being provided with a loose cover stand in the yards.

#### HOUSING ACTS.

During the year 17 houses in the Clifford Ward have been dealt with under Section 28 of the Act of 1919. Notice to execute the work was served in November, 1919. After repeated warnings the owner having failed to abate the nuisances existing, notices under the above section were served; still the owner neglected to make good any of the defects. The work was then, on the instructions of the Committee, placed in the hands of a contractor, and the premises have been placed in a reasonable state of repair. The work carried out included the entire re-roofing of the premises, the re-pointing of the whole of the brickwork at the rear of the property, the taking down and rebuilding of chimneys which were in a dangerous condition, the provision of new gutters and rain-water pipes, the repair of window frames, the re-flagging of yard and scullery floors, the re-drainage of several of the houses, the provision of new glazed slopstones, and the taking down and reconstruction of dangerous walls and ceilings. The account for the work done has been rendered to the owner; this will be followed by legal proceedings, if necessary, to recover the costs incurred.

The effect of this work has been to retain housing accommodation for approximately 75 persons.

SUMMARY OF WORK DONE IN THE ABATEMENT  
OF NUISANCE UNDER THE SUPERVISION  
OF THE DEPARTMENT.

Cellar drains reconstructed, 6in. and 4in. ...	1,280 feet
Yard and W.C. drains reconstructed, 6in. and 4in. ...	4,686 feet
Passage drains reconstructed, 9in. ... ..	226 feet
Drains intercepted ... ..	21
Inspection chambers constructed ... ..	9
Ventilating shaft erected ... ..	26
New gullies ... ..	233
Yard drains—chokeage removed ... ..	78
Cellar drains—chokeage removed ... ..	31
Yard and cellar gullies—chokeage removed ... ..	14
Passage gullies—chokeage removed ... ..	26
Water closets and W.C. drains—chokeage removed...	43
Intercepting traps—chokeage removed ... ..	3
Rain-water pipes—chokeage removed ... ..	15
Yards re-flagged, concreted or repaired ... ..	110
Cellars re-flagged, concreted or repaired ... ..	51
Passages repaired ... ..	17
Kitchen and other surfaces repaired ... ..	35
Brick cellar floors removed ... ..	13
“ Wash-out ” water closet basins removed ... ..	16
“ Hopper ” water closet basins removed ... ..	23
Waste water closets repaired ... ..	2
Waste water closets abolished ... ..	37
Washdown pedestal water closets fixed ... ..	110
New cisterns fixed to water closets ... ..	56
Water closet compartments cleansed ... ..	5
Water closet compartments repaired ... ..	42
Water closet compartments rebuilt ... ..	47
New soil pipe and ventilating shafts erected ... ..	15



New seats to water closets	...	...	...	...	18
W.C. cisterns repaired	...	...	...	...	40
New slopstones fixed	...	...	...	...	13
Soil pipes and vent shafts repaired	...	...	...	...	4
Waste pipes repaired	...	...	...	...	30
Rain-water pipes repaired	...	...	...	...	68
Gutters repaired	...	...	...	...	62
House roofs repaired	...	...	...	...	93
Buildings repaired	...	...	...	...	58
Yard and passage walls repaired	...	...	...	...	48
Waste pipes trapped	...	...	...	...	7
Rain-water pipes disconnected from drains	...	...	...	...	24
Rain-water pipe disconnected from soil pipe	...	...	...	...	1
Nuisance from damp walls abated	...	...	...	...	36
Premises cleansed	...	...	...	...	10
Nuisance from keeping animals abated	...	...	...	...	12
Nuisance from stagnant water abated	...	...	...	...	7
Back yards cleansed	...	...	...	...	7
Manure removed on service of notice	...	...	...	...	17
Removal of refuse, filth, etc., secured by notice	...	...	...	...	8
Miscellaneous defects made good	...	...	...	...	185
Ashpits and dust-bin compartments abolished...	...	...	...	...	88
Ashpit doors repaired	...	...	...	...	123
Ashpit walls and roofs repaired	...	...	...	...	53
New dust-bins provided	...	...	...	...	590
Works chimney highered	...	...	...	...	1



## TESTING OF DRAINS AND SANITARY FITTINGS.

Month.	Old Property.				New Property.			
	Drains.		Sanitary Fittings.		Drains.		Sanitary Fittings.	
	Tests	Defects	Tests	Defects	Tests	Defects	Tests	Defects
January ...	28	10	11	4	23	2	3	1
February ...	24	5	11	3	8	3	4	2
March ...	34	6	4	1	68	12	8	3
April ... ..	24	3	8	5	76	24	18	3
May ... ..	45	8	1	—	90	14	5	2
June ... ..	25	8	3	1	100	27	13	9
July ... ..	33	13	3	1	169	37	41	23
August ...	36	18	4	2	77	20	22	7
September	38	24	5	4	200	50	16	4
October ...	32	8	1	—	127	28	25	5
November...	30	15	—	—	116	27	52	12
December	20	3	1	—	151	40	42	12
Total 1920	369	126	52	21	1205	284	249	83
Total 1919	142	60	56	24	251	123	57	28

The tests made have revealed a lower percentage of defects than in recent years. I think this is mainly due to the return to civil life of many drainers and plumbers who were previously in the Army. During the war many drains were laid by men who were inexperienced.

## SMOKE OBSERVATIONS.

71 smoke observations have been taken during the year. In five instances only was the time limit (four minutes in the hour) fixed by Committee exceeded, and in two of these the emission of black smoke was 4 minutes 20 seconds and 4 minutes 25 seconds.

One legal notice to abate the nuisance was served.

## INFECTIOUS DISEASES AND TUBERCULOSIS.

From the statement in the Medical Officer's Report it will be seen that 407 cases of infectious disease and 96 cases of tuberculosis have been notified during the year. To these cases 576 primary visits have been made, whilst many have been re-visited when arrangements as to disinfection have been made.

As in previous years in cases of infectious disease where some member of the household attends a day school or a Sunday school, notification of the case has been sent to the principal or superintendent of the school in order that the other children may be excluded; again when the premises have been disinfected a note to that effect is sent to the school. Duplicates of these forms are sent to the Education Department.

During the year 880 gallons of carbolic disinfecting fluid have been distributed in six-ounce bottles to residents. The only charge made is one penny for the first bottle and ration card, afterwards a charge of two pence is made in the case of a broken bottle. One bottle of fluid is allowed every three weeks, unless there is a case of infectious disease in the house.

## DISINFECTION.

The two following statements show the number of rooms fumigated and the number of articles removed to the Sanitary Depot for disinfection in the Council's steam disinfector. It will be seen that 271 rooms of houses in which infectious disease had occurred were fumigated, compared to 159 during the previous year; this was chiefly due to the increased num-

ber of cases of Scarlet Fever notified. Also on the instructions of the Medical Officer of Health, the practice of stripping wall-paper in rooms where Scarlet Fever cases occurred has been resumed.

The method of fumigation employed is chiefly by formalin gas generated in an Alformant lamp.

The lots of bedding and of articles dealt with at the Steam Disinfector show a large increase over the previous year. No complaint has been received of any article being damaged in the process of disinfection.

# ROOMS FUMIGATED.

Month.	Scarlet Fever.	Typhoid Fever.	Diphtheria.	Erysipelas.	Puerperal Fever.	Smallpox.	Measles.	Tuberculosis.	Cancer.	Cerebro-Spinal Meningitis.	Miscellaneous.	Schoolrooms.	Filth.	Rooms Fumigated.	Rooms Stripped.
January	20	2	1	1	—	—	—	8	—	—	—	—	—	32	2
February	7	—	1	—	—	—	1	5	1	—	2	—	—	18	—
March	9	—	4	3	1	—	—	1	1	—	2	—	—	21	—
April	9	6	2	—	1	—	—	3	1	—	—	—	—	16	6
May	10	5	—	—	—	—	—	5	1	—	—	—	—	16	5
June	9	3	—	1	—	—	—	2	—	—	—	—	—	18	3
July	2	—	5	—	—	—	—	6	1	—	1	—	—	10	—
August	17	6	—	—	—	—	—	—	—	—	—	95	—	114	6
September	16	6	4	—	—	—	—	4	1	—	—	—	—	26	6
October	15	6	2	—	—	—	—	4	2	—	—	—	4	27	6
November	26	12	1	—	—	—	—	2	—	—	—	62	—	91	12
December	29	21	8	—	—	—	—	5	—	—	1	—	—	43	21
Total, 1920	169	67*	30	5	2	—	1	45	8	—	6	157	4	432	67
Total, 1919	52	1*	17	—	—	—	—	54	8	3	20	93	—	252	7

\* Walls stripped.



## ARTICLES DISINFECTED AND DESTROYED.

DISINFECTED.																				DESTROYED.								
Month.	Lots of Bedding.	Beds.	Blankets.	Blinds.	Bolsters.	Carpets.	Cloaks.	Curtains.	Coverlets.	Dresses.	Gowns.	Matresses.	Nightdresses.	Pillows.	Quilts.	Rugs.	Shawls.	Sheets.	Stockings.	Trousers.	Wraps.	Sundries.	Total Articles Disinfected.	Beds.	Matresses.	Sundries.	Total.	
January ...	18	23	40	20	19	—	—	32	—	—	—	17	—	38	18	1	2	34	—	—	—	—	4	248	2	—	1	3
February ...	9	9	18	10	9	1	—	20	—	—	—	9	3	18	11	3	—	18	—	—	4	19	152	—	—	—	—	
March ...	9	9	16	13	8	1	—	22	4	—	1	7	—	17	9	2	1	18	—	—	—	—	—	128	—	—	—	—
April ...	12	12	22	15	11	3	—	28	4	—	2	11	2	24	14	4	—	20	—	—	—	—	—	172	—	—	—	—
May ...	17	19	20	9	11	—	—	18	2	—	—	8	—	34	9	4	—	16	—	—	—	4	154	—	—	—	—	—
June ...	15	17	22	15	13	—	—	26	4	—	—	10	—	32	9	—	—	22	—	—	—	8	178	—	—	—	—	—
July ...	6	7	8	6	6	—	—	12	—	—	—	3	—	12	5	—	—	8	—	—	—	—	67	—	—	—	—	—
August ...	14	23	20	20	21	—	—	38	—	—	—	9	—	33	14	1	—	23	—	—	—	8	210	—	—	—	—	—
September ...	22	21	29	27	20	3	—	53	—	—	—	19	—	39	17	1	—	34	8	—	—	18	289	—	—	—	—	—
October ...	16	18	28	17	14	3	1	32	—	3	1	13	2	34	15	3	—	29	—	1	—	31	245	1	—	—	—	1
November...	30	30	51	29	24	1	2	56	8	4	1	22	1	52	25	3	—	40	—	1	—	61	411	—	—	—	—	—
December ...	39	37	70	36	36	9	6	71	4	—	—	28	—	70	46	5	3	50	—	—	—	38	509	1	2	—	—	3
Total, 1920	207	225	344	217	192	21	9	408	26	7	5	156	8	403	192	27	6	312	8	2	4	191	2763	4	2	1	7	7
Total, 1919	81	81	113	59	65	21	5	121	14	4	3	49	—	142	59	1	2	65	—	1	7	70	884	4	—	2	6	6

## FOOD AND DRUGS ACTS.

Only 50 samples of foods and drugs were taken. This was due to the illness and death of Mr. Nuttall, no samples being taken during the latter six months of the year.

Of the samples of milk taken 20 were of milk in course of delivery from the farmer to the local retailer ; all the samples were certified by the analyst to be genuine with the exception of one which contained 2.95 per cent. of fat. On the Committee's instructions a further sample was taken from the same source ; this one proved genuine.

The following table shows the list of articles purchased.

Following the practice of your late Chief Inspector, Mr. Nuttall, I have included a statement supplied by Mr. Keys, Superintendent of Police, showing the samples purchased by the police within this district during the year.

SAMPLES TAKEN BY OFFICERS OF THE DEPARTMENT AND  
SUBMITTED TO THE COUNTY ANALYST DURING 1920.

Number of Samples	Article Purchased.	Gen- uine.	Pass- able.	Poor. Below Stan- dard.	Adul- terated
23	Milk ... ..	22	—	1	—
4	Malt vinegar ... ..	1	3	—	—
6	White pepper ... ..	6	—	—	—
2	Arrowroot ... ..	2	—	—	—
2	Epsom salts ... ..	2	—	—	—
1	Sauce ... ..	1	—	—	—
1	Ham, tongue and chicken paste ... ..	1	—	—	—
1	Fuller's Earth ... ..	1	—	—	—
4	Coffee ... ..	4	—	—	—
1	Bun flour ... ..	1	—	—	—
1	Gravy browning ... ..	1	—	—	—
1	Ground ginger ... ..	1	—	—	—
2	Self-raising flour ... ..	2	—	—	—
1	Cream of Tartar ... ..	1	—	—	—
50		46	3	1	—

SAMPLES PURCHASED BY THE POLICE  
DURING 1920.

Number of Samples Pur- chased.	Article Purchased.	Genuine.	Adul- terated.
68	Milk ... ..	68	
8	Pepper ... ..	8	
5	Ginger ... ..	5	
5	Coffee ... ..	5	
5	Epsom Salts ... ..	5	
2	Baking Powder ... ..	2	
3	Mustard ... ..	3	
2	Custard Powder ... ..	2	
1	Beer ... ..	1	
4	Sago ... ..	4	
1	Margarine ... ..	1	
1	Butter ... ..	1	
2	Cocoa ... ..	2	
1	Self-raising Flour ... ..	1	
1	Carbonate of Soda ... ..	1	
109		109	

COWSHEDS, DAIRIES AND MILKSHOPS.

On the register there are 140 Dairymen and Purveyors of Milk; in addition there are eight Cowkeepers resident in the district and occupying 14 cowsheds.

To the above 89 visits have been made during the year.

The cowsheds are of good construction, and are as a rule kept in a clean condition and regularly limewashed.

## SLAUGHTER-HOUSES.

There are now only five licensed slaughter-houses in the district. To these 111 visits have been made during the year. Although two of them are not of very good construction, they are all well kept and very clean. Limewashing is regularly carried out.

Very little slaughtering has been carried out during the year, most of the butchers obtaining their supplies from Manchester.

## BAKEHOUSES.

There are 46 Bakehouses in the district, to which 136 visits have been made during the year.

It has only been found necessary to serve one notice respecting any insanitary conditions in connection with bakehouses.

## FACTORIES AND WORKSHOPS.

83 visits have been made to factories and workshops in the district.

The following work was carried out during the year in connection with such premises :—

Additional water closets provided	...	...	...	5
Separate W.C. accommodation provided	...	...	...	1
Intervening ventilated space to W.C. provided	...	...	...	4
Doors and fastenings to W.C.s provided	...	...	...	1
Approach to W.C.s screened	...	...	...	3
W.C.s cleansed	...	...	...	10
W.C. compartment ventilated	...	...	...	1
Drain cleansed	...	...	...	1
Floor of workshop repaired	...	...	...	1
Workshop limewashed	...	...	...	2
Urinals cleansed	...	...	...	3
Urinal repaired	...	...	...	1

Four notices have been received from H.M. Inspector of Factories calling attention to insanitary conditions existing in factories and workshops in the district. The matters referred to have been dealt with.



## OUTWORKERS.

Four lists of Outworkers resident in this district have been received from other Local Authorities. The lists contained the names and addresses of 48 persons.

Five lists of Outworkers have been received from employers in the district, and four lists, containing 23 names and addresses of persons resident in other districts but working for employers in this district, have been supplied to other Local Authorities.

56 visits have been made to Outworkers' premises during the year.

## SHOPS ACTS.

131 shops have been visited to observe and secure compliance with these Acts. Minor offences have been pointed out to shopkeepers, and in each instance the same has been remedied. In no case has it been necessary to report the offender to the Committee.

## PETROLEUM ACTS.

62 licences to store petroleum or the products of petroleum were granted as compared with 54 in the previous year.

Ten licences, compared to six in the previous year, were granted to store carbide of calcium.

## REMOVAL OF REFUSE.

The following four tables deal with the removal and disposal of house refuse.

The past year is the first year since 1913 that the cleansing staff has been at full strength.

In addition to the second-hand motor vehicles purchased in 1915, a two-ton "Cominer" tipping lorry was ordered and delivered in the month of October, since when it has rendered the Department splendid service.

As pointed out earlier in the report there has been a large increase in the number of receptacles emptied, the extent of which may be seen on reference to the first of the four tables.

The loads of refuse dealt with from dry ashpits and dustbins have greatly increased, whilst there has been a slight decrease in the number of loads of the contents of pail closets removed.

In all 9,993 loads of refuse have been collected and dealt with. The places of disposal are shown in the second table.

We have no weighing machine to weigh each load, but from several loads weighed we may assume the average load to be 25 cwts. On this basis, 12,491 tons of refuse have been collected and disposed of during the year. With a population of 47,419 this equals 5 cwts. 1 qr. per person per annum, which is about the average for a district of this character.

Although the cost of repairs to the old motor vehicles has been high, the cost of collection of the refuse amounted to 15s. 0 $\frac{3}{4}$ d. per load, or 12s. 0 $\frac{1}{2}$ d. per ton.

For comparison, I give below the cost per load and per ton for each year for the last ten years :—

Year.	Loads Removed.	Approximate Weight. Tons.	Cost per Load.	Cost per Ton.
			s. d.	s. d.
1911	11567	14459	5 0 $\frac{1}{2}$	4 0 $\frac{1}{2}$
1912	11720	14650	4 11	3 10 $\frac{3}{4}$
1913	10905	13631	5 1	4 0 $\frac{3}{4}$
1914	10953	13691	5 0 $\frac{1}{2}$	4 0 $\frac{1}{2}$
1915	10577	13221	6 0	4 9 $\frac{3}{4}$
1916	8135	10169	7 4 $\frac{1}{2}$	5 10 $\frac{3}{4}$
1917	7692	9615	7 6 $\frac{3}{4}$	6 0 $\frac{1}{2}$
1918	7313	9141	9 2 $\frac{3}{4}$	7 3 $\frac{1}{2}$
1919	8413	10516	13 8 $\frac{1}{2}$	10 11 $\frac{1}{2}$
1920	9993	12491	15 0 $\frac{3}{4}$	12 0 $\frac{1}{2}$

Of the refuse collected 4,179 loads, approximating 5,214 tons, were dealt with at the Empress Street Destructor Works.

The clinker resulting from the burning of the refuse is not utilised in any way. It will be seen on reference to the third of the four tables dealing with refuse removal that 1,681 loads of clinkers, 247 loads of flue dust, and 31 loads of

brick-bats (sorted out from the refuse) were taken to various tips in the district. The cost of such removal amounted to £441 19s. 6d.

The cost of disposal of the 4,179 loads (including the carting away of clinkers, etc.) was 10s. 7¼d. per load or 8s. 6d. per ton. The cost of disposal has not advanced in proportion as much as the cost of collection, the cost per ton of disposal in 1914 being 3s. 1½d. and in 1919 6s. 8d.

The total cost of collection and disposal of all refuse amounted to £9,814 10s. This is excluding supervision.

This is equal to 18s. 11d. per house per annum, and 4s. 1½d. per person per annum.

£29 18s. was received from the sale of scrap-iron, bottles, and jars salved from the refuse. Waste paper has not been picked out, as difficulty was experienced in obtaining a market for the same.

In connection with the removal of trade refuse, which was undertaken by the Council some years ago, 1,325 bins of such refuse have been removed and disposed of ; also 15 tons 2 cwts. of refuse have been taken to the depot for disposal. For the former a charge of 3d. per bin is made, and for destroying refuse taken to the depot a charge of 1½d. per cwt. is made. The revenue from these two sources was therefore £18 9s.

REFUSE RECEPTACLES EMPTIED EACH MONTH  
DURING 1920.

Month.	Pail Closets.	Dry Ashpits.	Dust- bins.	Total Re- ceptacles emptied.
January ... ..	689	355	25719	26763
February ... ..	515	662	19094	20271
March ... ..	578	891	22987	24456
April ... ..	643	1285	32668	34596
May ... ..	587	1304	28853	30744
June ... ..	495	1267	25799	27561
July ... ..	675	1567	41256	43498
August ... ..	553	1112	29324	30989
September ... ..	783	1567	40717	43067
October ... ..	573	1076	31462	33111
November ... ..	609	1176	30101	31886
December ... ..	767	1292	40178	42237
Total, 1920 ... ..	7467	13554	368158	389179
Total, 1919 ... ..	7525	10959	255708	274182



## LOADS OF REFUSE REMOVED.

Month.	Number of Loads from				Loads Tipped at			
	Pail Closets	Dry Ash-pits.	Dust-bins.	Total.	Han-cock's Farm.	Traf-ford Park Tip.	Park Road Tip.	Destructor
January ...	15	87	627	729	15	—	333	381
February ...	12	213	479	704	12	—	366	326
March ...	12	341	547	900	12	—	548	340
April ...	15	408	600	1023	15	—	626	382
May ...	9	280	556	845	9	16	462	358
June ...	4	238	548	790	4	74	401	311
July ...	10	232	783	1025	10	22	579	414
August ...	9	169	538	716	9	—	477	230
September .	9	265	668	942	9	—	507	426
October ...	5	171	576	752	5	—	415	332
November...	8	181	511	700	8	—	388	304
December .	9	194	664	867	9	—	483	375
Total, 1920.	117	2779	7097	9993	117	112	5585	4179
Total, 1919.	165	2363	5885	8413	165	—	4277	3971

PLACES OF DISPOSAL OF CLINKERS,  
FLUE DUST, ETC.

Month.	Park Road Tip.		Maiden's Trafford Park Tip.			Other Tips.		Total.
	Clin-kers.	Flue Dust.	Clin-kers.	Flue Dust.	Brick-bats.	Clin-kers.	Flue Dust.	
January ...	—	29	—	—	8	162	—	199
February ...	—	—	79	—	8	97	—	184
March ...	—	31	69	—	8	136	18	262
April ...	6	17	9	5	1	157	—	195
May ...	5	30	2	—	—	110	—	147
June ...	10	11	—	—	—	99	—	120
July ...	—	—	—	—	—	158	5	163
August ...	—	36	—	—	—	100	—	136
September .	—	—	—	—	—	113	—	113
October ...	3	3	—	—	4	124	—	134
November...	10	33	—	—	2	96	—	141
December .	—	29	—	—	—	136	—	165
Total, 1920.	34	219	159	5	31	1488	23	1959
Total, 1919.	42	278	815	21	11	409	29	1605

LOADS AND WEIGHT OF REFUSE DEALT WITH  
AT THE DESTROYER.

Month.	Loads Tipped.	Weight Tipped.			Hours Worked.	Average Weight destroyed per cell per 12 hrs.		
		T.	C.	Q.		T.	C.	Q.
January ...	381	465	9	0	420	6	14	2
February ...	326	413	4	0	376	6	12	0
March ...	340	426	10	0	397	6	9	0
April ...	382	481	18	2	440	6	10	3
May ...	358	434	19	2	380	6	17	1
June ...	311	381	14	0	352	6	9	0
July ...	414	501	2	1	450	6	13	2
August ...	230	278	17	2	252	6	18	0
September ...	426	512	10	1	450	6	16	0
October ...	332	401	13	0	360	6	13	3
November ...	304	392	6	0	360	6	10	4
December ...	375	485	12	2	450	6	10	2
Total, 1920...	4179	5175	16	2	4687	6	12	0
Total, 1919...	3971	4862	2	3	4488	6	10	1

## MOTOR AMBULANCE SERVICE.

The following statements show the number of persons removed by the Ambulances maintained by the Council.

The mileage registered by the Motor Ambulance was 2,097.9, whilst the approximate distance covered by the Horse Ambulance was 350 miles.

Patient Removed to	Accident Cases.	Cases of Illness.	Total.
Manchester Royal Infirmary ...	71	66	137
Salford Royal Hospital ... ..	56	9	65
St. Mary's Hospital ... ..	1	16	17
Barton Union Hospital ... ..	—	3	3
Ancoats Hospital ... ..	—	4	4
Christie Hospital ... ..	—	1	1
Jewish Hospital ... ..	—	1	1
Ladywell Sanatorium ... ..	—	1	1
Manchester Skin Hospital ...	—	1	1
Manchester Royal Eye Hospital	1	—	1
Nursing Homes... ..	—	8	8
Home ... ..	5	25	30
Total ... ..	134	135	269
Ambulance not required on arrival ... ..	11	1	12

## HORSE AMBULANCE SERVICE.

Patient removed to	Accident Cases.	Cases of Illness.	Total.
Manchester Royal Infirmary ...	8	13	21
Salford Royal Hospital ... ..	5	2	7
St. Mary's Hospital ... ..	—	1	1
Ancoats Hospital ... ..	—	1	1
Nursing Homes... ..	—	1	1
Home ... ..	—	13	13
Total ... ..	13	31	44
Ambulance not required on arrival ... ..	2	—	—



HACKNEY COACH AND OTHER LICENCES.

The following licences have been issued. The figures are compared with those of 1919.

Class of Licence.	1920			1919		
	No. Issued.	Rate.	Amount Received.	No. Issued.	Rate.	Amount Received.
Hackney Coach ... ..	8	s. d. 5 0	£ s. d. 2 0 0	13	s. d. 5 0	£ s. d. 3 5 0
Hackney Coach Driver ... ..	8	1 0	0 8 0	16	1 0	0 16 0
Tramcar ... ..	209	1 0	10 9 0	199	1 0	9 19 0
Omnibus ... ..	3	5 0	0 15 0	1	5 0	0 5 0
Tramcar and Omnibus Drivers ... ..	361	1 0	18 1 0	320	1 0	16 0 0
Tramcar and Omnibus Conductors	361	1 0	18 1 0	1	3 0	0 3 0
SPECIAL—				325	1 0	16 5 0
Cricket Ground (Vehicle) ... ..	3	5 0	0 15 0	1	3 0	0 3 0
„ „ (Driver) ... ..	4	1 0	0 4 0	2	5 0	0 10 0
				2	1 0	0 2 0
	957	—	50 13 0	880	—	47 8 0
OTHER LICENCES ISSUED—						
Petroleum ... ..	62	2 6	7 15 0	54	2 6	6 15 0
Carbide of Calcium ... ..	10	2 6	1 5 0	6	2 6	0 15 0
Slaughter-house ... ..	5	1 0	0 5 0	5	1 0	0 5 0
Game ... ..	3	7 6	1 2 6	4	7 6	1 10 0
	80	—	10 7 6	69	—	9 5 0





